



PARKER SITE RESTORATION

Soil (Clean Fill and Topsoil)

- Status of recent soil samples
- Sampling Protocol (utilizing agreed upon specs)
 - On-site soils
 - Soil at pits
- Procedure for moving non-spec soil
- Ripping of soil

On Site Sieve
On Site Compaction

Rainy Creek

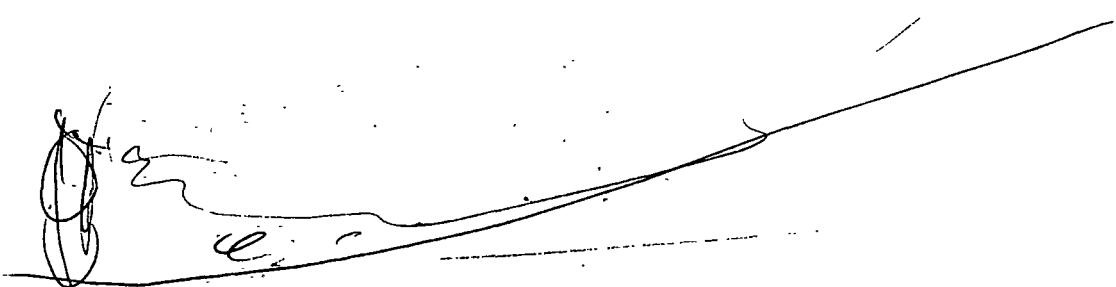
- Water Consulting Inc. & CDM hydraulic/hydrologic analysis
 - Creek Bottom
 - Fish Pools
 - Gradient
 - Riparian Design
 - Rip Rap
- Bridges
- Dock

Roads

- Culverts

Mobilization Date (MARCOR)

Other



- (5)
- ⑤ MEETING WITH PAUL POWERS ON APRIL 25/62
- Same Time We Receive a "NOTICE OF HEARINGS"
- of N.Y.-May-37. Will be returned to us at the
- The tract of land we own on the River Side
- of Paul Powers regarding the same
- Without DEED RESTRICTIONS from the South Side of
- the same time we receive a "NOTICE OF HEARINGS"
- ② FREE you in future of placing LEGATION on the
- KOOTENAI River Rip-Rap. This could be done
- when Soil Placement among the rocks of the river
- legislation that will spread sand across the
- locks from the Soil Management District above
- the E.P.R.A.P. Dept. of Agriculture at
- Minimun of 11 "dry" number within our limits.
- ③ What would you suggest for minimum and
- Geometrication, Survival of the Hydro-Seedling, how
- Geek and Kootenai RELEGATION, time frame of ultimate
- Does it seem right to you that the final copy
- of the RESTORATION Plan be sent to us prior to
- the May-13th Meeting? This would include all
- the "METHODLOGY" and protocol that defines how
- the ACTIVITIES will be carried out. E.G. / FEATURES,
- SCREENING, RIPPING, etc. All of this prior
- to action. F.I. 11 plus if possible
- ④ Does it seem right to you that the final copy
- of the RESTORATION Plan be sent to us prior to
- the May-13th Meeting? This would include all
- the "METHODLOGY" and protocol that defines how
- the ACTIVITIES will be carried out. E.G. / FEATURES,
- SCREENING, RIPPING, etc. All of this prior
- to action. F.I. 11 plus if possible
- ⑤ The PARADES WOULD REQUEST A REVIEW OF THE
- RELEGATION PLAN WHICH IS TO BE MENTIONED
- BY C.D.M. WE WOULD ASK THAT OUR LEADS TO THIS
- BE TAKEN UNDER CONSIDERATION. YES.

(6)

PAGE FIVE

MEETING WITH PAUL POWERS ON APRIL 25/62

PAGE-2

MEETING WITH PAUL PERONARD ON APRIL-25/02.

- ⑥ Will THE RIPARIAN SPECIALIST, WHO WE ASSUME IS LICENSED/CERTIFIED ~~WITH~~, BE ON SITE TO SUPERVISE AND CO-ORDINATE THE RE-DEVEGETATION OF BOTH THE RAINY CREEK AND KOOTENAI RIVER BANKS. Yes
- ⑦ Will THE RIP RAP THAT IS ON THE SOUTH SIDE OF RAINY CREEK ON THE KOOTENAI RIVER BE REPLACED IF IT TOO IS DETERMINED TO BE UNDER SIZED. IT IS undersized, & will be replaced.
- ⑧ WHAT EXACTLY WILL BE DONE ON RAINY CREEK WHEN THE CONTRACTOR STARTS TO DO THIS PORTION OF THE PROJECT? E.G. ENERGY DISSIPATION, CHANNEL SIZE, ETC. "POOLS" OK., SEE PLAN FOR SPEC.F.S. IT WILL BE properly sized & keyed.
- ⑨ AS THAT WORK PROGRESSES WILL WE HAVE A CERTIFIED HYDROLOGIST ON SITE TO SUPERVISE AND IMPLEMENT A PLAN THAT IS ACCEPTABLE TO ALL CONCERNED PARTIES. Lincoln Conservation, Fish, Wildlife AND Parks, Water Consultants, Inc., Plan satisfactory to owners. WE NEED TO HAVE EXPERIENCED PEOPLE ON THE JOB TO MAKE SURE THAT THE WORK IS PROGRESSING AS IT WAS DESIGNED.
- 10) HOW DO YOU PLAN ON ADDRESSING THE RAINY CREEK RESTORATION WORK. WE HAVE PROVIDED YOU WITH ALL THE PAPERWORK ENSUING FROM THE DATA COLLECTED BY WATER CONSULTANTS INC. WHAT IS YOUR THINKING? WHAT DO YOU NOT AGREE WITH? See plan

a)

PAGE 3

MEETING WITH Paul PERONARD ON APRIL 25/02

- (11) Will E.P.A., if it decides to endorse those issues which W.C.I. has RESEARCHED, be willing to cover our cost of 1,476² for the analysis and any additional expense brought about through Mr. Walls' request for additional information?
- (12) Will the E.P.A. replace those balled and wrapped trees that have died since their arrival in 2000? You said, at the time that Grace refused access to the mine, that you would, but this was not documented. Yes, & add others as need or stream/River bank per revegetation.
- (13) I understand that MARCOR will be responsible for a large portion of the clean-up in Libby during the 2002 season. We have in Libby, several businesses and individuals who have just recently or who have not received payment for the services and materials provided to MARCOR last year. MARCOR has a bad reputation for not paying its bills!! What can you do to correct this? Why is this our CONCERN? Legally, these folks can tie up our property until they have been paid. I'll check into specific issues, have already talked with Western Build... as we discussed.

These are my notes

Paul Peronard

PMW

04/25/2002 10:53 16174942789
20 APR 2002 10:48AM FROM CDM CAMBRIDGE

6174528000

T-615 P 002/004 F-406



Memorandum

To: Peter Borowiec

From: Allison K. Swezey
Michael W. Oakland

Date: April 25, 2002

Subject: Libby Asbestos Project
Libby, Montana

This memorandum presents our assessment of the geotechnical testing performed on the Clean Fill (Type 2), also referred to as agricultural fill for the Libby Asbestos Project located in Libby, Montana.

Based on the Government procurement specifications, the Clean Fill (Type 2) shall be composed of 20-40% sand, 10-25% silt and 50-70% clay and be classified as a silt-loam by the US Department of Agriculture (USDA). This results in a relatively small triangular area of acceptable material as shown on the attached figure. The USDA also uses different measurements defining the boundaries between grain sizes than ASTM. The USDA measurements are 2mm between gravel and sand, 0.05mm between sand and silt and 0.002 between silt and clay.

Seven samples of the Agricultural Fill from the existing stockpile at the Worth Nixon pit were submitted to Maxim Technologies for geotechnical testing. All of the samples conform to the project specification and are classified as silt loam. The results of the portions passing the 2mm sieve are plotted on the attached figure. All samples had less than 30 percent of larger than 2mm material, which we understand is in accordance with an agreement made between the property owner and the Government. A summary of the grain size analyses is shown on Table 1 and is attached to this memorandum.

Based on the distribution of the tests, it appears that a blend of all of the material in the stockpile would meet the project specifications provided larger rocks are removed in order to meet the 30% maximum "rock content" agreed upon between the property owner and the Government. We understand that the stockpiled material will be screened through a ~~3~~ inch screen prior to delivery to the Screening Plant site.

Please call if you require any additional information or questions.

C:\Documents and Settings\aswezey\My Documents\Completed Projects\Libby, Montana\LibbyGC.doc

OPTIONAL FORM 10 (7-90)		# of pages ► 11	
FAX TRANSMITTAL			
To	John McGuigan	From	Julie B.
Dept./Agency		Phone #	x 2434
Fax #	406-293-5668	Fax #	

GPN 7340-01-317-7368

5088-101

GENERAL SERVICES ADMINISTRATION

6174528000

T-615 P 004/004 F-406

Libby Asbestos Project
Libby, Montana

Table 1

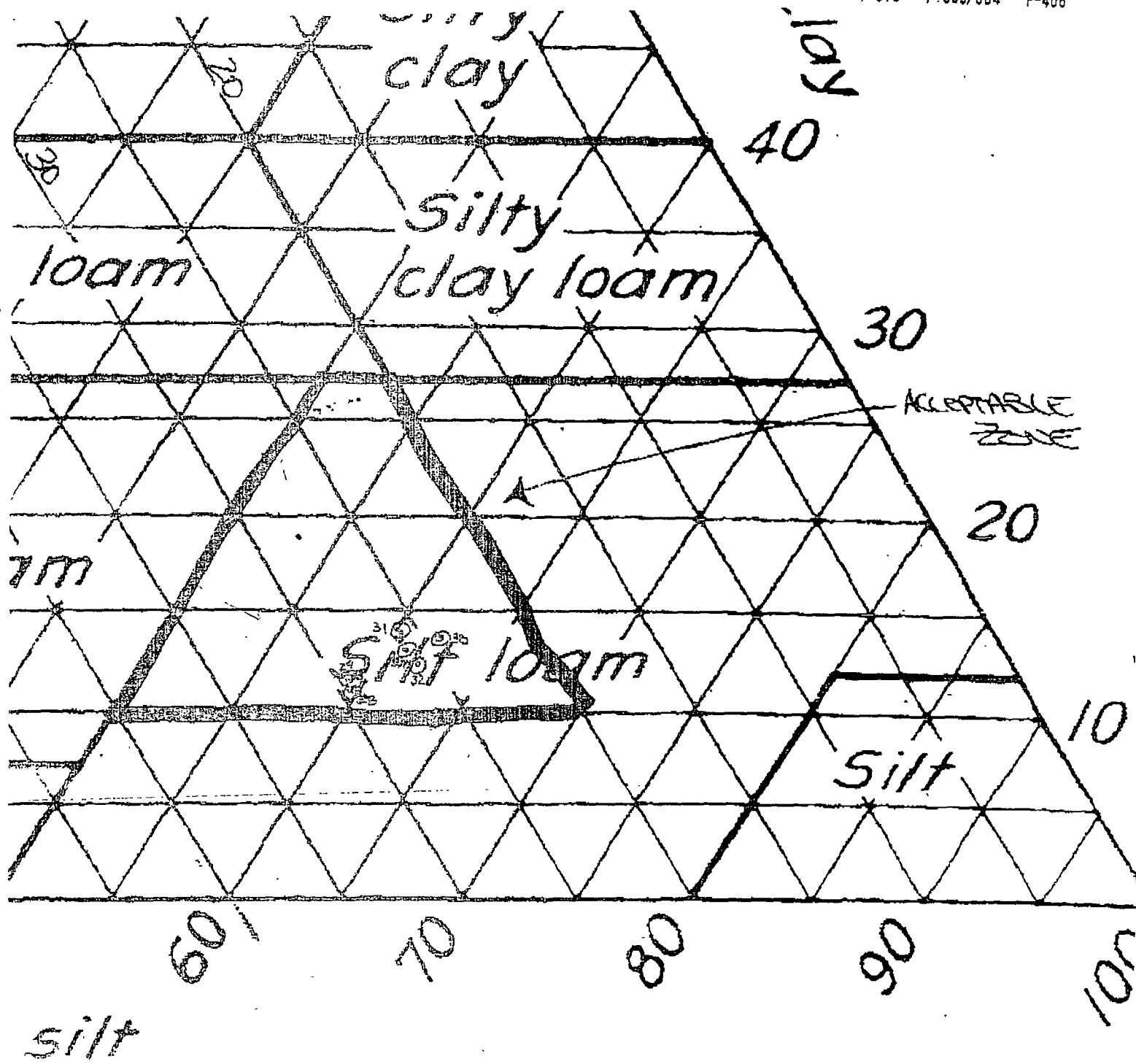
Summary of Grain Size Analyses

Sample ID	Percent Passing (1)			Particle Percent (1)			Adjusted Particle Percent (2)		
	Sand (2mm)	Silt (0.05mm)	Clay (0.002mm)	Sand	Silt	Clay	Sand	Silt	Clay
1R-13928	90.0	64.2	10.8	25.8	53.4	10.8	28.6	59.4	12.0
1R-13929	82.0	68.9	10.7	23.1	48.2	10.7	28.2	58.8	13.0
1R-13930	94.0	70.9	12.2	23.1	58.7	12.2	24.5	62.5	13.0
1R-13931	84.0	69.0	12.2	25.0	56.8	12.2	26.6	60.4	13.0
1R-13932	91.0	67.0	10.0	24.0	57.0	10.0	26.4	62.6	11.0
1R-13933	95.0	70.6	11.4	24.4	50.2	11.4	25.7	62.3	12.0
1R-13934	95.0	70.4	11.4	24.6	59.0	11.4	25.9	62.1	12.0

Notes:

1. Based on Maxim grain size distribution curves
2. Particle percents were adjusted to reflect only particles smaller than sand.
These percentages are plotted on the memorandum figure.

+5 ← +9



cation chart used by the U. S. Depart-



Maxim Technologies
 2436 Dixon Avenue PO Box 2730
 Missoula, MT 59806
 Telephone: (406) 543-3045
 FAX: (406) 543-3088

REPORT OF GEOTECHNICAL TESTING

CLIENT: CDM - FEDERAL PROGRAMS
 50 Hampshire Street
 One Cambridge Place
 CAMBRIDGE, MA 02139

PROJECT NO.: 1570145
 REPORT NO.: 16997
 DATE OF SERVICE: 4/04/2002
 AUTHORIZATION:
 REPORT DATE: 4/04/2002

SERVICES: Performed Geotechnical Testing as Requested by the Client

REPORT OF TESTS

On April 1, 2002, we received Chain of Custody No. 2502 from the above referenced project with instructions to perform 7 Sieve Analyses with Hydrometers and 7 Atterberg Limits.

The test results for the samples labeled 1R - 13928, 13929, 13930, 13931, 13932, 13933, and 13934 are included on the attached plates. If you have any questions regarding this report or if we can be of further service, please contact us.

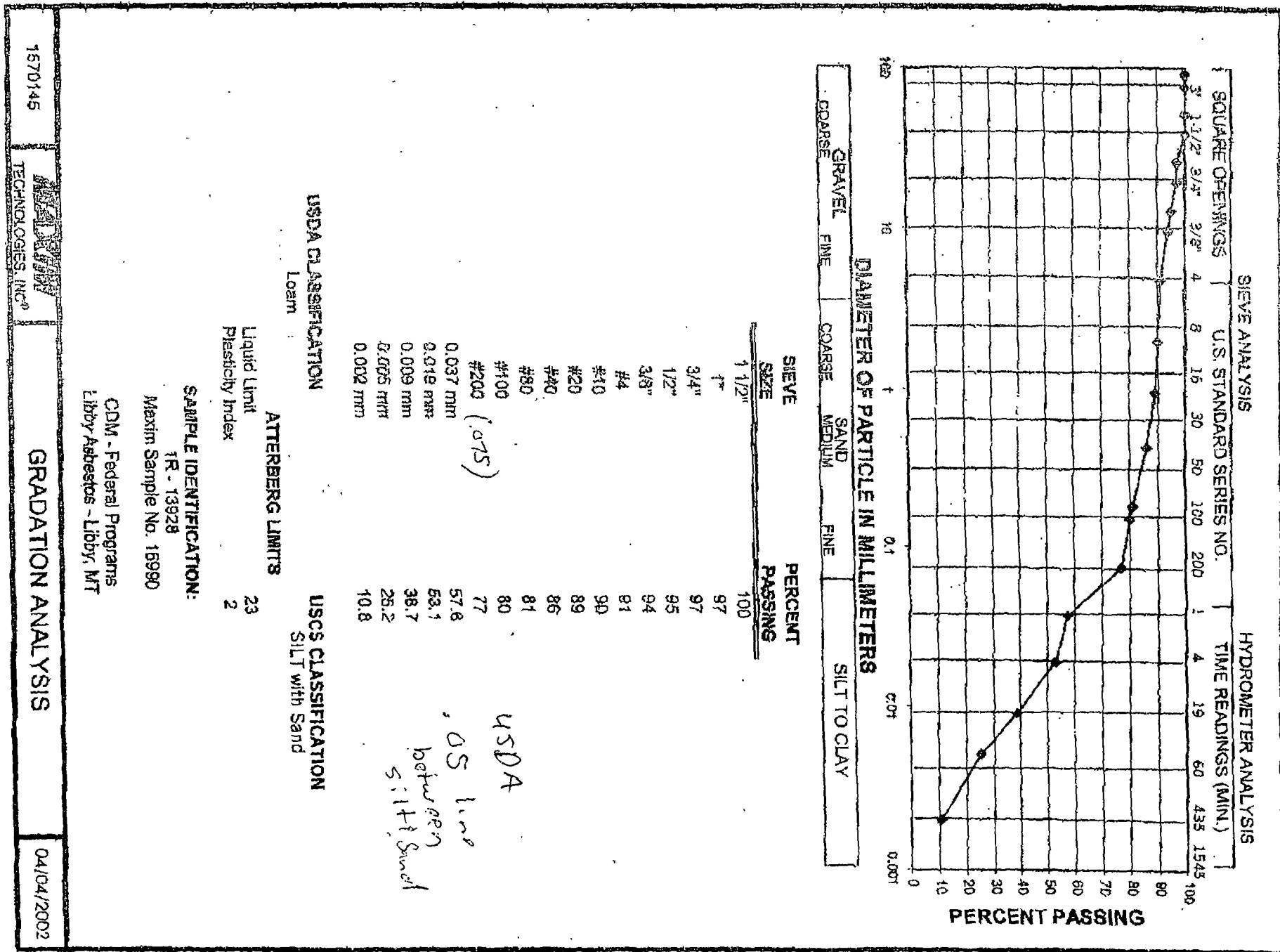
Technician: Deborah Schiavone
 Engineering Technician
Report Distribution:
 CDM - FEDERAL PROGRAMS

MAXIM TECHNOLOGIES INC.

Richard P. Dombrowski, P.E.
 Project Manager

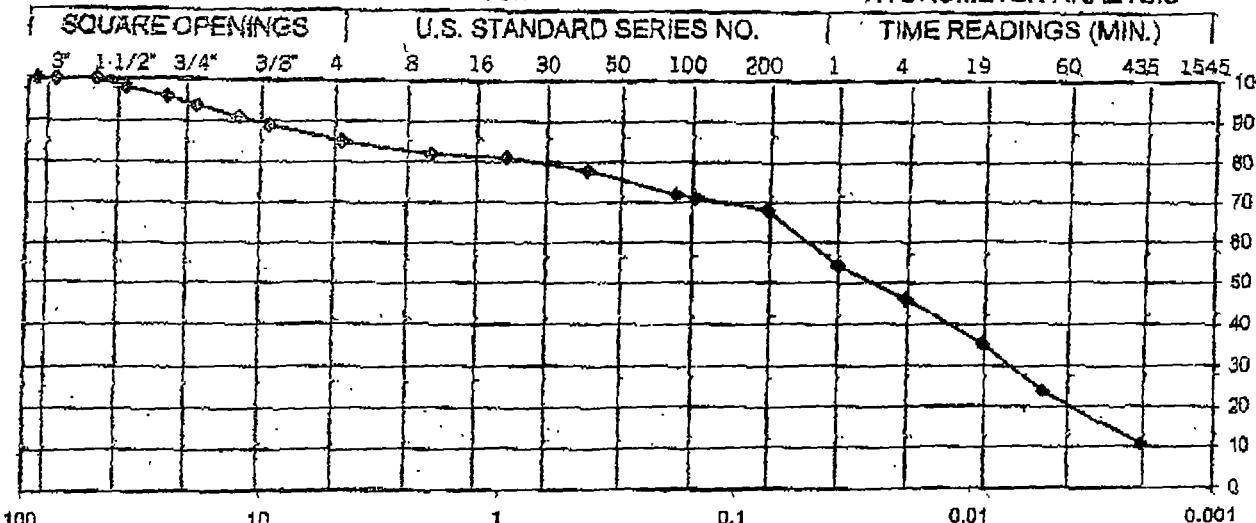
Our reports and reports are for the exclusive use of the client to whom they are addressed and shall not be reproduced except in the written approval of the testing laboratory. The use of our forms must receive our written approval. Our letters and reports apply only to the samples tested and/or inspected, and are not indicative of the qualities of apparently identical or similar products.

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SIEVE ANALYSIS

HYDROMETER ANALYSIS



DIAMETER OF PARTICLE IN MILLIMETERS

GRAVEL COARSE	FINE	COARSE	SAND MEDIUM	FINE	SILT TO CLAY
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SIEVE SIZE	PERCENT PASSING
2"	100
1 1/2"	98
1"	96
3/4"	94
1/2"	91
3/8"	89
#4	85
#10	82
#20	81
#40	78
#80	72
#100	71
#200	68
0.037 mm	54.1
0.019 mm	45.9
0.009 mm	35.3
0.005 mm	23.8
0.002 mm	10.7

USDA CLASSIFICATION

Loam

USCS CLASSIFICATION

Sandy SILT with Gravel

ATTERBERG LIMITS

Liquid Limit	22
Plasticity Index	2

SAMPLE IDENTIFICATION:

IR - 13929

Maxim Sample No. 16991

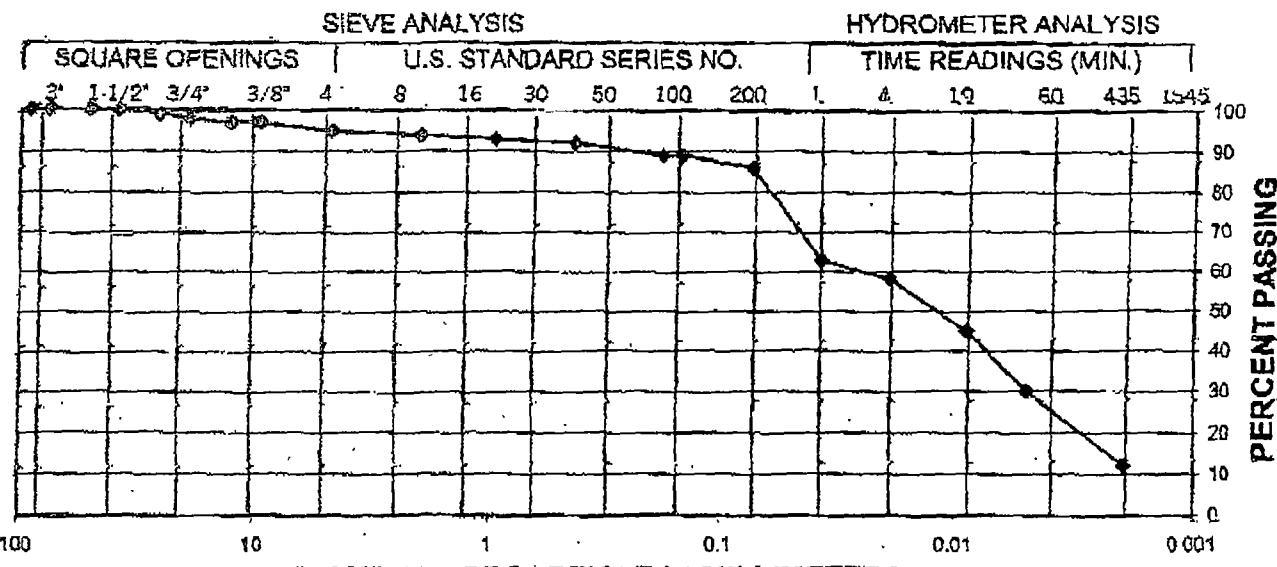
CDM - Federal Programs
Libby Asbestos - Libby, MT

1370145

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GRADATION ANALYSIS

04/04/2002



GRAVEL **FINE** **COARSE** **SAND** **MEDIUM** **FINE** **SILT TO CLAY**

SIEVE SIZE	PERCENT PASSING
1 1/2"	100
1"	99
3/4"	98
1/2"	97
3/8"	97
#4	95
#10	94
#20	93
#40	92
#80	89
#100	89
#200	86
0.037 mm	82.6
0.019 mm	58.3
0.009 mm	46.1
0.005 mm	30.1
0.002 mm	12.2

USDA CLASSIFICATION

Sitt Loamp

USSC CLASSIFICATION

SALT

ATTERBERG LIMITS

Liquid Limit	23
Plasticity Index	2

SAMPLE IDENTIFICATION:

1R - 13930
Maxim Sample No. 18992

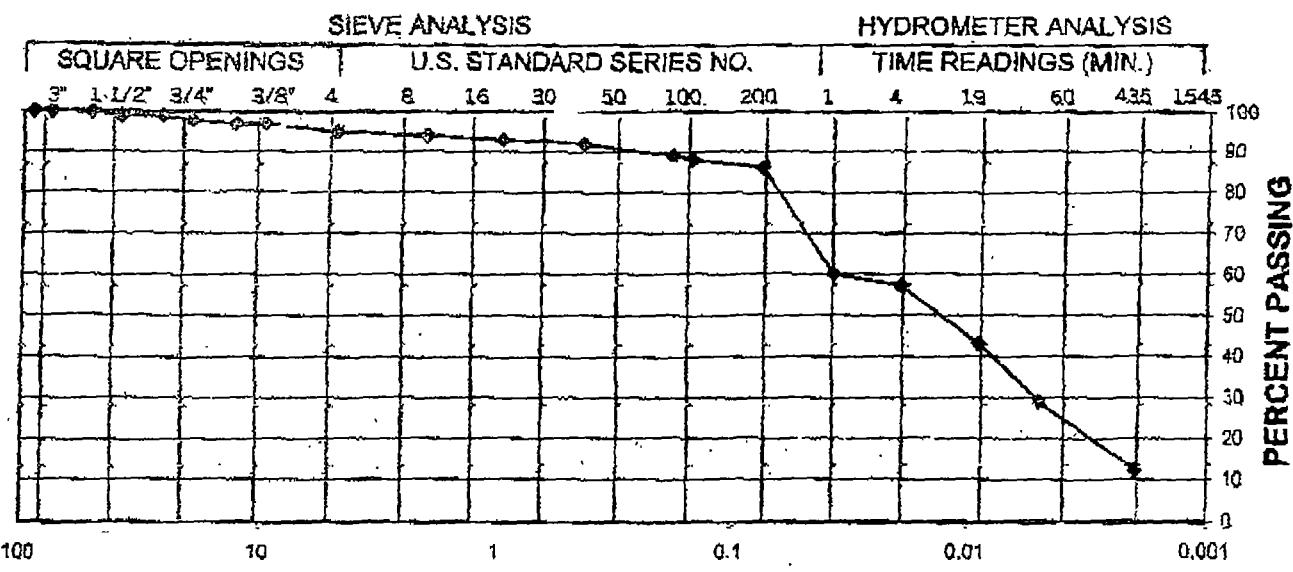
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1570145

PARAVIN
TECHNOLOGIES INC.

GRADATION ANALYSIS

04/04/2002



EXPLANATION OF PARTS OF THE PROFILE IN MILLIMETERS

SIEVE SIZE	PERCENT PASSING
2"	100
1 1/2"	99
1"	99
3/4"	98
1/2"	97
3/8"	97
#4	95
#10	94
#20	93
#40	92
#80	89
#100	88
#200	86
0.037 mm	60.2
0.019 mm	57.3
0.009 mm	43.2
0.005 mm	29.1
0.002 mm	12.2

USDA CLASSIFICATION

Silks

USCS CLASSIFICATION

SIT

ATTERBERG LIMITS

Liquid Limit 23
Plasticity Index 1

SAMPLE IDENTIFICATION:

1R - 13931
Maxim Sample No. 16993

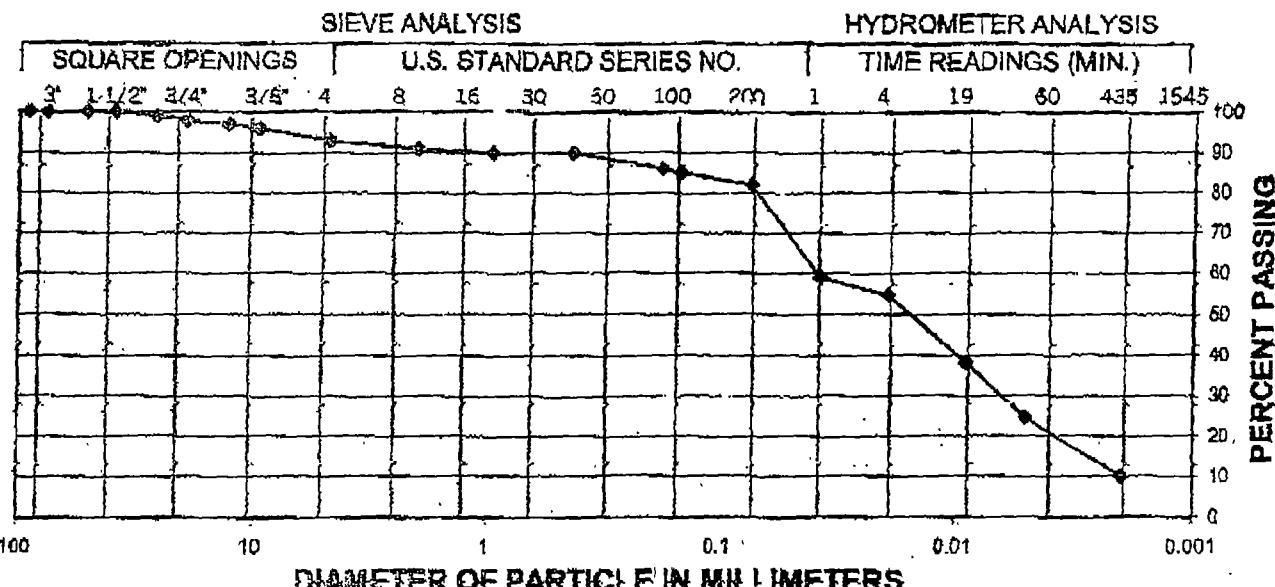
CDM - Federal Programs
Libby Asbestos - Libby, MT

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TECHNOLOGIES, INC.TM

GRADATION ANALYSIS

04/04/2002



DIAMETER OF PARTICLE IN MILLIMETERS

GRAVEL		SAND		SILT TO CLAY	
COARSE	FINE	COARSE	MEDIUM	FINE	

SIEVE SIZE	PERCENT PASSING
1 1/2"	100
1"	99
3/4"	98
1/2"	97
3/8"	96
#4	93
#10	91
#20	90
#40	90
#60	86
#100	85
#200	82
0.037 mm	59.2
0.019 mm	54.6
0.009 mm	38.2
0.005 mm	24.6
0.002 mm	10.0

USDA CLASSIFICATION

Silt Loam - Loam

USCS CLASSIFICATION

SILT with Sand

ATTERBERG LIMITS

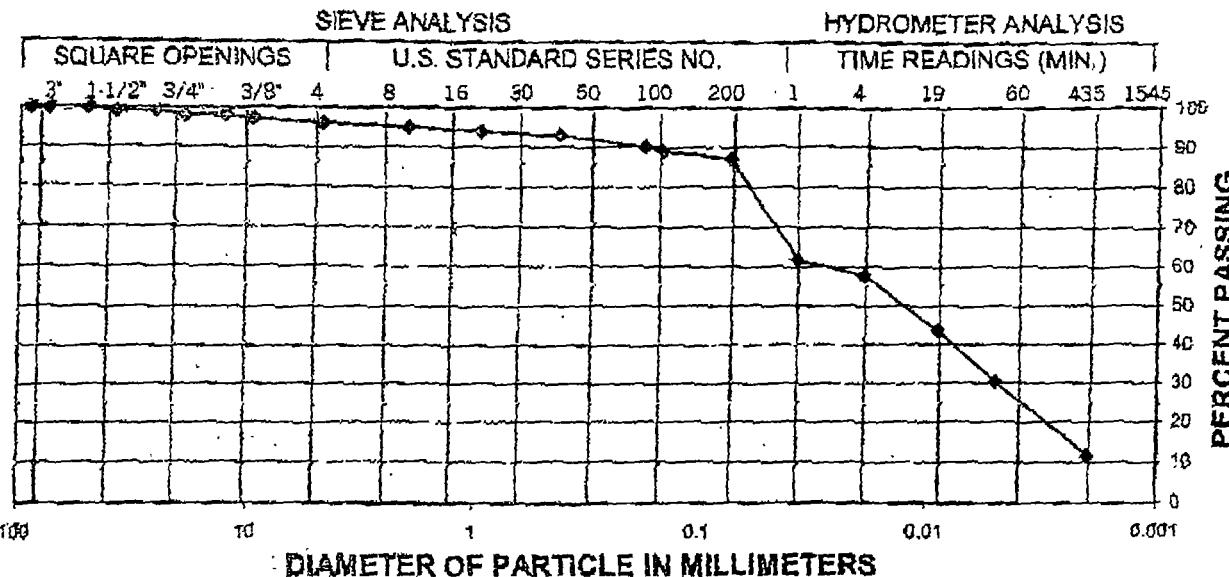
Liquid Limit	22
Plasticity Index	1

SAMPLE IDENTIFICATION:1R - 13932
Maxim Sample No. 16094CDM - Federal Programs
Libby Asbestos - Libby, MT

1570145

MAVERICK
TECHNOLOGIES, INC.[®]**GRADATION ANALYSIS**

04/04/2002



COARSE GRAVEL	FINE	COARSE	SAND MEDIUM	FINE	SILT TO CLAY
---------------	------	--------	-------------	------	--------------

SIEVE SIZE	PERCENT PASSING
.2"	100
1 1/2"	99
1"	99
3/4"	98
1/2"	98
3/8"	97
#4	96
#10	95
#20	94
#40	93
#80	90
#100	89
#200	87
0.037 mm	61.7
0.019 mm	57.9
0.009 mm	43.7
0.005 mm	30.4
0.002 mm	11.4

USDA CLASSIFICATION

Silt Loam

USCS CLASSIFICATION

SILT

ATTERBERG LIMITS

Liquid Limit	23
Plasticity Index	2

SAMPLE IDENTIFICATION:

1R - 13934
Maxim Sample No. 16996

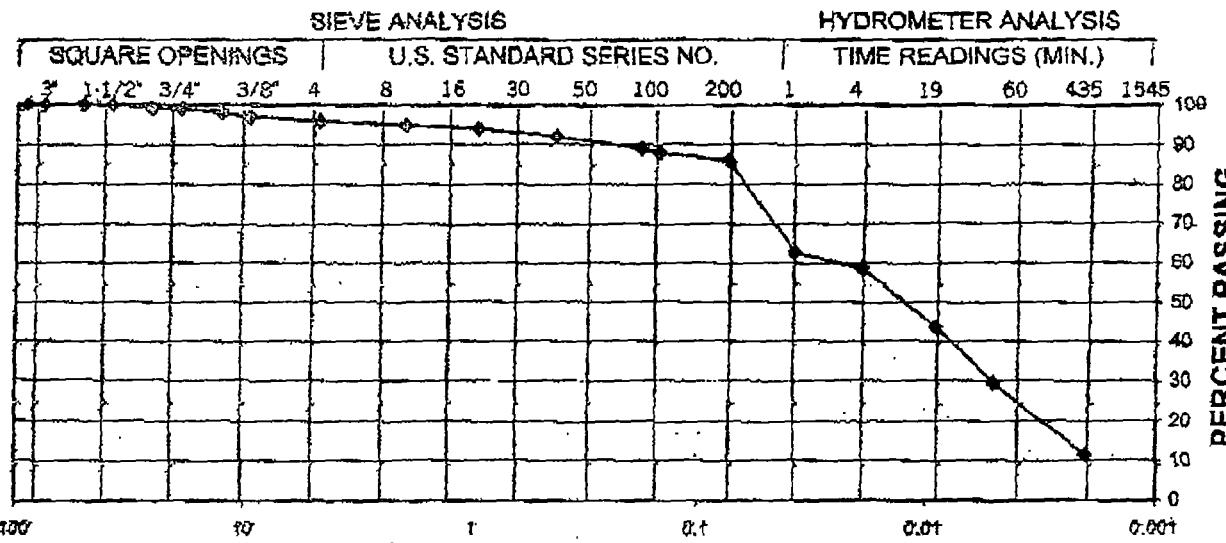
CDM - Federal Programs
Libby Asbestos - Libby, MT

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MAXIM
TECHNOLOGIES, INC.

GRADATION ANALYSIS

04/04/2002



GRAVEL COARSE	FINE	COARSE	SAND MEDIUM	FINE	SILT TO CLAY
------------------	------	--------	----------------	------	--------------

SIEVE SIZE	PERCENT PASSING
1 1/2"	100
1"	99
3/4"	99
1/2"	98
3/8"	97
#4	96
#10	95
#20	94
#40	92
#80	89
#100	88
#200	86
0.037 mm	62.7
0.018 mm	58.9
0.009 mm	43.7
0.005 mm	29.4
0.002 mm	11.4

USDA CLASSIFICATION
Silt Loam

USCS CLASSIFICATION
SILT

ATTERBERG LIMITS

Liquid Limit	23
Plasticity Index	2

SAMPLE IDENTIFICATION:

1R - 13933
Maxim Sample No. 16995

CDM - Federal Programs
Libby Asbestos - Libby, MT

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GRADATION ANALYSIS

04/04/2002